

**REMARKS**

By this amendment, claims 1-12, 18, 24-29, 31, 32 and 34-37 have been amended and no claims have been cancelled or added. Accordingly, claims 1-37 are currently pending in the application, of which claims 1 and 12 are independent claims. Applicants respectfully submit that the above amendments do not add new matter to the application and are fully supported by the specification.

In view of the above amendments and the following Remarks, Applicants respectfully request reconsideration and timely withdrawal of the pending objections and rejections for the reasons discussed below.

***Rejections Under 35 U.S.C. §102***

Claims 1, 4, 12-16, 20 and 28 stand rejected under 35 U.S.C. §102(e) as being anticipated by U. S. Patent No. 6,262,702 issued to Murade (“Murade”). Applicants respectfully traverses this rejection for at least the following reasons.

Amended independent claim 1 recites:

“A wire arrangement, comprising:  
a substrate; and  
a plurality of wires formed the substrate, the plurality of wires comprising:  
a first wire transmitting a first voltage and having *a first end portion*;  
a second wire transmitting a second voltage smaller than the first voltage and having *a second end portion*; and  
*a first redundancy wire having a third end portion formed between the first end portion and the second end portion.*”

Thus, according to claim 1, the third end portion is formed between the first end portion and the second end portion. An example of these claimed features are shown in FIG. 4 of the application, in which the end portion of the a high voltage redundancy wire 210 is formed between the end portions of the high voltage signal wire 201 and the low voltage signal wire 202 near the edge of the substrate 200.

In this regard, in FIG. 4 and FIG. 5 of Murade, the shielding line 85 has an end portion (i.e., the terminal YSSY) and the other end portions connected to the scanning line driving circuits 104. Also, the shielding line 87 has an end portion (i.e., the terminal YDDY) and the other end portion connected to the scanning line driving circuit 104. However, there is no “first redundancy wire having *a third end portion formed between the first end portion and the second end portion*”.

More specifically speaking, the end portion of the shielding line 87 is connected to the scanning line driving circuit 104. Also, the end portion of the shielding line 85 is connected to the scanning line driving circuit 104. As clearly shown in FIG. 4, there is no line formed between these two end portions. Thus, It is submitted that Murade fails to teach a redundancy wire having a third end portion formed between the first end portion and the second end portion, as claimed. Thus, it is respectfully submitted that claim 1 is patentable over Murade. Claim 4 that is dependent from claim 1 would be also patentable at least for the same reason.

Amended independent claim 12 recites:

“...  
a control signal part for controlling the driving integrated circuit part, the control signal part including a plurality of wires comprising:  
a first signal wire transmitting a first signal voltage having *a first end portion*,

a second signal wire transmitting a second signal voltage smaller than the first signal voltage and having *a second end portion*; and

*a first redundancy wire having a third end portion formed between the first end portion and the second end portion.*"

As previously mentioned, Murade does not disclose "*a first redundancy wire having a third end portion formed between the first end portion and the second end portion*". Thus, it is submitted that independent claim 12 is patentable over Murade. Claims 13-16, 20 and 28 that are dependent from claim 12 would be also patentable at least for the same reason.

Accordingly, Applicants respectfully request withdrawal of the 35 U.S.C. §102(e) rejection of claims 1, 4, 12-16, 20 and 28.

#### ***Rejections Under 35 U.S.C. §103***

Claims 2, 3, 5-11, 17-19, 21-27 and 29-23 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Murade. Applicants respectfully traverse this rejection for at least the following reasons.

Claims 2, 3, 5-11, 17-19, 21-27 and 29-23 are dependent from independent claims 1 and 12. As mentioned above, independent claims 1 and 12 have been amended and are now believed to be patentable over Murade. For example, Murade fails to disclose or suggest the first redundancy wire having the third end portion formed between the first end portion and the second end portion, as recited in claims 1 and 12. No secondary reference has been introduced to cure the deficiency from Murade.

Thus, it is submitted that claims 2, 3, 5-11, 17-19, 21-27 and 29-23 are patentable over Murade. Accordingly, Applicants respectfully request that the rejection be withdrawn.

***Other Matters***

In addition to the above-mentioned amendment made in claims 1 and 12, claims 1-12, 18, 24-29, 31, 32 and 34-37 have been amended for better wording and informality correction purposes. Also, these claims have been amended to remove certain claim languages that might unnecessary limit the claim scope.

**CONCLUSION**

Applicants believe that a full and complete response has been made to the pending Office Action and respectfully submit that all of the stated objections and grounds for rejection have been overcome or rendered moot. Accordingly, Applicants respectfully submit that all pending claims are allowable and that the application is in condition for allowance.

Should the Examiner feel that there are any issues outstanding after consideration of this response, the Examiner is invited to contact the Applicant's undersigned representative at the number below to expedite prosecution.

Prompt and favorable consideration of this Reply is respectfully requested.

Respectfully submitted,



Hae-Chan Park  
Reg. No. 50,114

Date: October 10, 2003

**McGuireWoods LLP**  
1750 Tysons Boulevard  
Suite 1800  
McLean, VA 22102-4215  
Tel: 703-712-5365  
Fax: 703-712-5280  
HCP:WSC/kbs

\COM\212592.2